

ALEKSANDROV, B.M. --- (continued) Card 2.

1. Russia (1917~ R.S.F.S.R.) Karel'skiy ekonomicheskiy administrativnyy rayon. Sovet narodnogo khozyaystva. 2. Karel'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta ozernogo i rechnogo rybnogo khozyaystva (for Aleksandrov, Aleksandrova, Belyayeva, Gorbunova, Gordeyeva-Pertseva, Gordeyeva, Gulyayeva, Dmitrenko, Zabolotskiy, Makarova, Novikov, Pokrovskiy, Smirnov, Stefanovskaya, Urban). 3. Karel'skiy filial AN SSSR (for Balagurova, Veber, Potapova, Sokolova, Filimonova, Popenko).

(Karelia--Lakes)

KUFAREVA, O.P.; STEFANOVSKAYA, F.G.

Changes in the functional state of cortical centers of vision  
in hypertensive patients during treatment with hypotensive drugs.

Vest.LGU 14 no.3:141-145 '59. (MIRA 12:5)

(VISION)

(ERGOTOXINE)

(RAUWOLFIA)

PLAKSIN, I.A.; GUSENEV, A.N.; STEFANOVSKAYA, L.R.

Particular features of the kinetics of flotation with alkyl sulfates.  
Dokl. AN SSSR 163 no.2:422-425 J1 '65. (MIRA 18:7)

1. Ghen-korrespondent AN SSSR (for Plaksin).

PSAREV, V.I.; MAKОВИYCHUK, Yu.I.; STEFANOVSKAYA, N.B.

Coagulation of the carbide phase in molybdenum and vanadium  
steels at temperatures lower than the  $A_1$  point. Izv. vys.  
ucheb. zav.; chern. met. 6 no.8:120-127 '63. (MIRA 16:11)

1. Chernovitskiy gosudarstvennyy universitet.

STEFANOVSKAYA, N. N.; FAYENMAN, S. L.

Polymers and Polymerization

Polymerization of multicomponent systems. Usp. khim. 21. no. 7, 1952.

Monthly List of Russian Accessions. Library of Congress, November 1952. UNCLASSIFIED

YAKUBOVICH, A.Ya.; SOLOVOVA, O.F.; DUBOV, S.S.; CHELOBOV, F.N.; STEFANOV-  
SKAYA, N.N.; GINSBURG, V.A.

Structure and polymerization of compounds containing a trifluoro-  
vinyl group. Zhur. VKhO 6 no.6:709-711 '61. (MIRA 14:12)  
(Vinyl compound polymers)

YAKUBOVICH, A.Ya.; STEFANOVSKAYA, N.N.; MIKHAYLOVSKIY, L.P.; FAYERMAN, S.L.;  
SOLOVOVA, O.P.; ROZENSHTEYN, S.M.; GINSBURG, V.A.

Structure and polymerization of compounds containing a trifluoro-  
vinyl group. Zhur. VKhO 6 no.6:712-713 '61. (MIRA 14:12)  
(Vinyl compound polymers)

L 21425-66 EWT(m)/EWP(j)/T/ETC(m)-6 WH/RM

ACC NR: AP6010113 (A)

SOURCE CODE: UR/0190/66/008/003/0486/0489

37  
36  
B

AUTHOR: Stefanovskaya, N. N.; Gefter, Ye. L.

ORG: Scientific Research Institute of Plastics (Nauchno-issledovatel'skiy institut plasticheskikh mass)

TITLE: Study of the polymerization ability of esters of phenylvinylphosphinic acid<sup>1</sup>

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 3, 1966, 486-489

TOPIC TAGS: phenylvinylphosphinic acid, alkyl phenylvinylphosphinate, flame resistant polymer, phosphorus containing polymer, styrene, styrene copolymer, polymerization, copolymerization

ABSTRACT: The polymerization and copolymerization ability of some esters of phenylvinylphosphinic acid (PVPA)  $C_6H_5(CH_2=CH)P(O)OH$  was investigated to widen the list of phosphonates and phosphinates usable as flame retardant monomer components of plastics. The following esters were studied: ethyl-, ethylene glycol- and allyl phenylvinylphosphinates. It was found that the ethyl ester polymerizes slowly, forming only low-molecular products. Both double bonds in the symmetrically estrified ethylene glycol ester have about the same activity and three-dimensional copolymers with styrene are formed. The allyl ester polymerizes at a somewhat higher rate than the ethyl ester; it forms low molecular linear polymers. Two different double bonds in the allyl ester differ sharply: the vinyl group forms the backbone of the

Card 1/2

UDC: 66.095.26+678.86



L 2145-66

ACC NR: AP6010113

polymer and participates in the copolymerization with styrene; the allyl group does not react and remains as a side chain. It was found that copolymers of PVPA esters with styrene, which contain more than 1% phosphorus, burn only in an open flame, while those containing more than 2% phosphorus become only charred. The temperature dependences of the mechanical deformation of copolymers of PVPA esters with styrene were determined and the results presented graphically in the original. Orig. art. has: 1 figure and 1 table. [BN]

SUB CODE: 07, 11/ SUBM DATE: 05Apr65/ ORIG REF: 004/ ATD PRESS: 4221

Card 2/2 *VR*

STEFANOVSKAYA, N.V.

Modification of the densimetric method for the determination of  
plasma proteins, hemoglobin content, and the hematocrit index.  
Izv. AN Turk. SSR. no.1:128-130 '59. (MIRA 12:5)

1.Turkmenskiy gosudarstvennyy meditsinskiy institut.  
(BLOOD--ANALYSIS AND CHEMISTRY)

STEFANOVSKAYA, N. V.

Cand Med Sci - (diss) "Radiological study of the rate of biosynthesis of proteins of blood serum in the normal condition and after massive blood losses." Moscow, 1961. 12 pp; (Central Inst for Advanced Training of Physicians); 300 copies; price not given; (KL, 6-61 sup, 241)

STEFANOVSKAYA, N.V.

Determination of the protein reserve maintaining a state of  
equilibrium with proteins of the blood serum. Izv. AN Turk. SSR.  
Ser. biol. nauk no.2:79-82 '61. (MIRA 14:7)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.  
(PROTEINS IN THE BODY)

STEFANOVSKAYA, N.V.

Determining the content of methionine in blood serum and liver tissue fluid. Izv. AN Turk. SSR. Ser. biol. nauk no.6: ~~76-78~~ '61. (MIRA 15:1)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.  
(METHIONINE) (SERUM) (LIVER)

STEFANOVSKAYA, N.V.

Effect of overheating on the change of protein composition in the  
blood serum. Izv.AN Turk.SSR.Ser.biol.nauk no.3:56-60 '62.  
(MIRA 15:9)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.  
(HEAT--PHYSIOLOGICAL EFFECT) (BLOOD PROTEINS)

STEFANOVSKAYA, N.V.

Effect of water deficiency on protein metabolism in rabbits.  
Izv. AN Turk. SSR. Ser. biol. nauk no.3:74-77 '63.

Effect of overheating and dehydration on the reserve alkalinity of the blood plasma in rabbits. Ibid.:81-84

(MIRA 17:1)

1. Institut krayevoy meditsiny AN Turkmenskoy SSR.

STEFANOVSKAYA, N.V.

Change in some biochemical indices of the blood following a  
acute hemorrhage. Izv. AN Turk. SSR. Ser. biol. nauk no.3:  
74-77 '64 (MIRA 18:2)

1. Turkmenskiy institut krayevoy meditsiny AMN SSSR.



SOPRUNOV, F.F.; STEFANOVSKAYA, N.V.; KURBANOV, Kh.

Rates of renewal and characteristics of the biosynthesis of proteins  
of the blood plasma and skin in rabbits. Vop. med. khim. 11 no.2:46-  
54 Mr-Ap '65. (MIRA 18:10)

1. Institut meditsinskoy parazitologii i tropicheskoy meditsiny  
imeni Ye.I. Martsinovskogo Ministerstva zdravookhraneniya SSSR,  
Moskva, i Turkmenskiy institut krayevoy meditsiny AMN SSSR.

Effect of catalytic additions on the decomposition and formation of organic peroxides. F. I. Berezovskaya, E. K. Varfelomeeva, and V. G. Stefanovskaya. J. Phys. Chem. (U.S.S.R.) 18, 321-2 (1954).---Exptl. data on the decompn. of tert-BuOOH, trimol. acetone peroxide, and of EtOOH at 80-100°, as catalyzed by the addn. of aniline, amyl nitrite, PbEt<sub>4</sub>, Mn naphthenate, α- and β-naphthol, α-naphthylamine, phenyl-p-aminophenol, phenyl-β-naphthylamine, hydroquinone, and triphenyl thiophosphite are shown in 2 figs, and 4 tables. The effects of these same catalysts on the oxidations of cyclohexene and of cyclohexene peroxide at 50° and of the formation of decalin peroxide at 100° are shown in 4 further figures. The effects found depend on the chem. nature of the peroxides. No correlation or parallelism was found between the rates of decompn. of peroxides and the oxidation of the hydrocarbons. The catalytic specificity in low-temp. oxidation is exerted in the first stage of autoxidation, and not on the thermal decompn. of the peroxide. The stability of the peroxides increases with the chain length of the hydrocarbons. F. H. Rathmann

STEFANOVSKAYA, Z. F.

CO

CONDENSATION REACTION OF SUCCINIC ACID WITH ACETYLACETONE. Z. P. Stefanovskaya, V. V. Dorofeev and I. A. Trefil'ev. *J. Gen. Chem.* (U. S. S. R.) 11, 518-22 (1941).

The present work deals with the reaction mechanism of the formation of furanocarboxylic acids from Na succinate I and acetylacetone (II) in the presence of  $\text{Ac}_2\text{O}$ . I (0.5 mol.), 0.5 mol. II and a triple amt. of  $\text{Ac}_2\text{O}$  were heated on a steam bath for 20 hrs., treated with warm  $\text{H}_2\text{O}$ , acidified, extd. with  $\text{Et}_2\text{O}$ , freed of neutral products, and the acidic products subjected to prolonged hydrolysis with  $\text{H}_2\text{O}$  on a steam bath to yield fine crystals, m. 121-2°, sol. in  $\text{H}_2\text{O}$ ,  $\text{EtOH}$ ,  $\text{Et}_2\text{O}$  and  $\text{CHCl}_3$ , insol. (almost) in benzene and  $\text{CS}_2$ . This product (0.2 g.) heated with a tenfold amt. of concd.  $\text{NH}_4\text{OH}$  in a sealed tube for 2 hrs. at 130-40° gave a strong test for the pyrrole ring (with a pine splinter and  $\text{HCl}$ ), indicating the presence of a furan ring in the original acid. On the basis of analytical data, compn. of the Ba and Ca salts, mol. wt., and behavior on pyrolysis the acid was shown to be 2-methyl-3-acetonyl-3-furancarboxylic acid. The proposed reaction mechanism is: formation of acetylsuccinic acid, lactonization followed by condensation with acetylacetone, and, finally, hydrolysis with elimination of  $\text{AcOH}$ .

G. M. Kosolapoff

458-314 METALLURGICAL LITERATURE CLASSIFICATION

KUSHAKOVSKIY, L.N.; STEFANOVSKAYA, Z.F.

Sanitation value of a sedimentation pond for the purification of industrial waste water from a metallurgical plant. Gig. i san. no. 1:51-52  
Ja '54. (MLRA 6:12)

1. Iz kafedry kommunal'noy gigiyeny Dnepropetrovskogo meditsinskogo instituta.

(Factory and trade waste) (Water--Purification)

STEFANOVSKAYA, Zinaida Fedrovna; STUKOVNIK, N.D., red.

[Laboratory manual in organic chemistry] Rukovodstvo k  
laboratornym zaniatiyam po organicheskoi khimii. Mo-  
skva, Vysshain shkola, 1964. 63 p. (MIRA 17:6)

IVANOV, Sl.; STEFANOVSKI, IU.

Additions to lubricating oils. Priroda Bulg 12 no. 5: 60-64  
S-O '63.

STEFANOVSKI, St.; STANKOVSKI, Met.

Rational treatment of climacteric disorders. Med. glas. 11 no.3:  
102-106 Mar 57.

1. Neuropsihijatrijska (Upravnik: prof. dr B. Niketic) i Ginekološko-  
akuserska klinika (Upravnik: prof. dr M. Beric). Medicinskog fakulteta  
u Skoplju.

(CLIMACTERIC, FEMALE, ther.  
(Ser))

APOSTOLOV, K.; STEFANOVSKI, S.

Some observations on recent epidemics of Asian influenza in  
Macedonia. Higijena 15 no.1/2:69-71 '63.



DORDEVIC, Dusan, sanitetski kapetan I klase, dr.; STEFANOVSKI, Stefan, dr.

Our experience with the use of Daraprim in hemoprophyllaxis  
of malaria in 1960 and 1961 in the Devdelije Region. Vojnosanit.  
pregl. 20 no.4:197-204 Ap '63.

1. Higijensko-epidemioloski odred - Skoplje, Republicki zavod  
za zdravstvenu zastitu SR Makedonije, Epidemiolosko odeljenje.  
(MALARIA CONTROL) (PYRIMETHAMINE)

S

STEFANOVSKI, Stefan, doc. dr.

Cerebral apoplexy in the light of current research. God. zborn.  
med. fak. Skopje 11:221-226 '64.

Dystrophia myotonica in one family. Ibid.:235-248

1. Neuropsihijatriska klinika pri medicinski fakultet, Skopje  
(v.d. upravnik: doc. dr. Petar Fildisevski).

L 32793-66

ACC NR: AP6023777

SOURCE CODE: YU/0015/65/000/04-/0104/0108

AUTHOR: Stefanovski, Stefan (Professor; Doctor)

ORG: Neuropsychiatric Clinic /headed by Professor, Doctor P. Fildisevski/, <sup>15</sup>Medical College, Skopje (Neuro-psihijatrijska klinika Medicinskog faculteta)

TITLE: Neuropsychiatric reactions <sup>22</sup>in conditions of mass disaster

SOURCE: Medicinski glasnik, no. 4-5, 1965, 104-108

TOPIC TAGS: psychoneurotic disorder, psychiatry

ABSTRACT: Detailed description of the patterns of neuropsychiatric reactions among the inhabitants of Skopje following the disastrous earthquake in July 1963; stupor, flight, despair, indifference; but no increase in neurosis or psychosis; factors contributing to the normalization (visits by prominent authorities and engaging the population in the work of clearing the rubble) and to continued neuropsychiatric disturbances (alarming news dissemination by press and radio) are discussed in some detail. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 007 / OTH REF: 001

Card 1/1 *mjs*

*0975*

*1602*

L 1844-66 EWT(1)/ETC/EPF(n)-2/ENG(m)/EPA(w)-2/EWA(m)-2 IJP(c) AT  
ACCESSION NR: AT5022305 UR/3136/64/000/769/0001/0036

AUTHOR: Stefanovskiy, A. M. 44,55

TITLE: Acceleration of plasma electrons 21,44,55

SOURCE: Moscow. Institut atomnoy energii. Doklady, IAE-769, 1964. Uskoreniye elektronov plazmy, 1-36 44,55

TOPIC TAGS: plasma electron oscillation; plasma acceleration, plasma density, betatron, electron plasma

ABSTRACT: The acceleration of plasma electrons was studied in toroidal units where the equilibrium of the electron beam in the circular orbit is achieved with image currents arising in the metal housing around the vacuum chamber. The preliminary plasma was developed in a toroidal magnetic field by injecting electrons along the lines of force of this field and ionizing a neutral gas in the chamber. In the first series of experiments it was observed that the overwhelming majority of the plasma electrons are not accelerated after an electric field up to 150 v/cm is developed, while powerful oscillations are excited in the plasma. These oscillations result from the action of an inhomogeneous electric field. Results obtained in this series of experiments are similar to those obtained with plasma betatrons. In the second series, the accelerating  
Card 1/2

L 1844-66

ACCESSION NR: AT5022305

9  
electric field was created uniformly and simultaneously along the pinch of preliminary plasma. Comparison of the plasma density with the measurement of currents arising in the plasma indicates that all the plasma electrons are initially accelerated by the electric field. Subsequently, however, for still unknown reasons, the acceleration ceases, and the current in the plasma becomes purely ohmic. Measurement of the energy of x-ray radiation produced in experiments with an accelerating field of 250 v/cm shows that under these conditions the electron component of the plasma is heated by a short pulse of the electric field (lasting  $1.7 \times 10^{-7}$  sec) to a temperature of 50 to 70 kev. It is postulated that the effects observed may be very important for obtaining large accelerated currents in plasma betatrons. Although the acceleration of electrons to relativistic energies cannot be achieved in a denser plasma, the application of a strong electric field can be successfully used for heating the electron component of the plasma. "The author thanks G. I. Budker and A. A. Naumov<sup>44,55</sup> for organizing the work and for their interest, E. P. Kruglyakov<sup>44</sup>, who participated in experiments with the OF device, and all those who took part in the review of the results." Orig. art. has: 15 figures and 17 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: NP, ME

Card 2/2<sup>dy</sup> NO REF SOV: 001 OTHER: 013

35 OK

L 8521-66 EWT(1)/EWT(m)/ETC/EPF(n)-2/ENG(m)/EWA(m)-2 IJP(c) AT

ACC NR: AP5021901

SOURCE CODE: UR/0207/65/000/004/0021/0026

AUTHOR: Stefanovskiy, A. M. (Moscow)

ORG: none

TITLE: Maximum currents in plasma betatron

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1965, 21-26

TOPIC TAGS: plasma accelerator, betatron, electron beam, electron accelerator

ABSTRACT: A theoretical calculation of the maximum relativistic currents that can be produced in a plasma betatron and their dependence on conditions in the betatron are presented. To obtain the desired behavior of the accelerated electrons, a balance must exist among the radial forces acting on the electron (and ion) beams in the plasma. The conditions for the balance are obtained from the relativistic azimuthal and radial equations of motion for ions and electrons. These equations contain inductive terms associated with the magnetic field of the electron beam. It is shown that the results apply in practical cases to those cases where longitudinal magnetic fields exist. In addition to the external and self-fields of the system, acceleration is effected by the appearance of instabilities caused by the electrons interacting with waves. The effect of electrostatic and spiral waves connected with toroidal magnetic fields are considered. The time when the electron beam reaches the contain-

Card 1/2

L 8521-66

ACC NR: AP5021901

er wall is computed for several sets of betatron parameters. It is shown that the ion inertia leads to a considerable increase in the maximum possible electron current. "The author thanks A. Ye. Bazhanov for his help in integrating one of the equations." Orig. art. has: 3 figures, 17 equations. 3

SUB CODE: 20,18/

SUBM DATE: 22Jul64/

ORIG REF: 001/

OTH REF: 006

Card 2/2 *pd*

STEFANOVSKIY, A.M.

Simple concentration boundaries in electrolytes. *Elektrokhimiia*  
1 no.4:446-451 Ap '65. (MIRA 18:6)

1. Fiziko-tekhnicheskii institut imeni Ioffe AN SSSR.



1000 49 EXT(1)/700 00

ACC NR: AP6011375

SOURCE CODE: UR/0362/66/002/003/0316/0319

AUTHOR: Gorshkov, A. I.; Ignat'yev, V. I.; Lavrent'yev, G. Ya.; Stefanovskiy, A. M.;  
Yashukov, V. P.

ORG: none

TITLE: Effect of meteor streams on the electrical field of the atmosphere

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 2, no. 3, 1966, 316-319

TOPIC TAGS: meteor, atmospheric electricity, electric field

ABSTRACT: Data on measurements of the electrical field of the atmosphere enabled the authors to study the effect of meteor streams on this field. The results of measurements of nine geophysical stations were used. The data on the electrical field of the atmosphere were analyzed by calculating the mean diurnal and mean monthly values of the field from the data of each geophysical station. These values were averaged for the three years of observations (1957-1959). Then the variations of the field, i.e., the differences between the mean diurnal and mean monthly values, were calculated. The calculated values and the change in the number of meteors for all three streams (Perseid, Geminid, and Quadrantid) were compared. The comparison readily showed that the Perseid meteors did not affect the electrical field of the atmosphere. An

UDC: 551.594

Card 1/2

STEFANOVICH A. N.

Utilization of waste-products of high-speed cutting steels and "pobedit" for instrument hard-facing. Moskva, 1943. 25 p. (Sta-khanovskaia biblioteka. 1943, no. 11) (51-47778)

TS227.S692

STEFANOVSKIĬ, A. N. and P. E. FREIBERG

Skorostnye metody vosstanovleniia srobotannykh detalei naplavkoi sormaitom i belym chugunom bez posleduiushchei termoobrabotki. Moskva, 1944. 14 p. diagsr. (Institut tekhniko-ekonomicheskoi informatsii. Izdaniia, 1944, No. 19.

High-speed methods of reconditioning worn parts by building up layers of "sormite" hard alloy and white pig iron without subsequent heat treatment.

DLC: TS227.S6923

SO: Manufacturing and Mechanical Engineering in the Soviet Union. Library of Congress, 1953.

STEFANOVSKIY, A.N. (Kiyev)

Mechanization of electric welding. Zhel. dor. transp. 40 no.1:78  
Ja '58. (MIRA 11:1

(Electric welding)

STEFANOVSKIY, B. S.: Master Tech Sci (diss) -- "The computation and modeling of ejection equipment with a cylindrical mixing chamber". Moscow, 1958.

15 pp (Min Higher Educ USSR, Moscow Order of Lenin and Order of Labor Red Banner Higher Technical School im Bauman), 150 copies (KL, No 2, 1959, 122)

STEFANOVSKIY, B.S., inzh.

Modeling ejection devices. Nauch.dokl.vys.shkoly; mash.i  
prib. no.1:75-86 ' 58. (MIRA 12:1)

1. Predstavleno kafedroy "Konstruktsii i remont lokomotivov"  
Rostovskogo-na-Donu instituta inzhenerov zheleznodorozhnogo  
transporta.

(Jets--Fluid dynamics)

CHIRKOV, A.A., prof.: STEPANOVSKIY, B.S., inzh.

Predominant method of transmitting heat in internal combustion  
engine cylinders. Trudy RIIZHT no.21:96-111 '58. (MIRA 11:6)  
(Gas and oil engines)

STEFANOVSKIY, B.S., inzh.

Theoretical elements of ejectors with cylindrical mixing chambers.  
Trudy RIIZHT no.21:171-217 '58. (MIRA 11:6)  
(Jets--Fluid dynamics) (Locomotives--Exhaust)



S/262/62/000/024/003/001  
A154/A126

AUTHORS: Stefanovskiy, B.S., Bogoslavskiy, Ye.G.

TITLE:

On the use of centripetal gas turbines in ground transportation

PERIODICAL:

Referativnyy zhurnal, Silovyye ustanovki, no. 24, 1962, 16, abstract  
42.24.139 (Uch. zap. Yaroslavsk. tekhnol. in-ta, 1961, v. 7, 245 -  
262)

TEXT:

Formulae were obtained for work, efficiency, gas flow, torque, power and other parameters of a centripetal turbine. The peculiarity of the obtained equations lies in the fact that they do not contain the reaction degree in explicit form. Considering the fact that the reaction degree (as generally understood) strongly depends on the rpm of the centripetal turbine, the authors propose determining these conditions the reaction degree does not depend on the opinion that under these conditions the reaction degree does not depend on the rpm. It is noted that, when the discharge edges of the rotor blades point in a radial direction, the use of zero reaction is the most advisable. In this case introduction of the reaction degree causes increasing losses with increasing dis-

Card 1/3

Card 2/3

the in-  
a friction  
the nozzle  
ideal (hyperbolic) trac-  
an excess amount of working gas  
the power of a centripetal turbine

S/124/62/000/005/019/048  
D251/D308

AUTHOR: Stefanovskiy, B.S.

TITLE: Thermal computation of a gas ejector burner

PERIODICAL: Referativnyy zhurnal. Mekhanika, no. 5, 1962, 41 - 42,  
abstract 5B245 (Uch. zap. Yaroslavsk. tekhnol., in-ta,  
1961, v. 7, 265 - 274)

TEXT: A method is proposed for the thermal computation of a gas ejector burner which permits determination of the basic data for subsequent gasodynamic calculation of the burner. An interpolation formula is obtained for calculating the visible velocity of flame-spreading in the burning mixture which consists of natural gas and air. The conditions of thermal equilibrium are considered for the system burner-furnace chamber. An equation is deduced to determine the gas-air mixture leaving the burner. A formula is obtained for calculating the diameter of the mixing chamber. The simplest method of graphical solution of the equations deduced is indicated. 4 references. [Abstractor's note: Complete translation].

Card 1/1

STEFANOVSKIY, B.S., kand.tekhn.nauk, dotsent

Criterion and calculation of thermal stress of an internal  
combustion engine. Vest.mashinostr. 42 no.8:39-40 Ag '62.  
(MIRA 15:8)

(Gas and oil engines)

STEFANOVSKIY, D. I.

"Northern Caucasian Honey." Cand Agr Sci, North Ossetian Agricultural Inst,  
Vladzhikay, 1953. (PZhKhim, No 23, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (12)  
SC: Sum. No. 556, 24 Jun 55

C

GRECHIN, I.G.; STEPANOVSKIY, F.S.; SHEYNVAL'D, M.L.

Boring and casing of water wells in Odessa Province. Gidr. 1  
mel. 12 no.6:32-36 Je '60. (MIRA 13:7)

1. Odesskaya stroitel'no-montazhnaya kontora.  
(Odessa Province--Artesian wells)  
(Pipe, Asbestos-cement)

*STEFANOVSKIY*  
~~STEFANOVSKIY, G.V.~~

Reducing ventilation resistance in vertical mine shafts. Ugol' 33  
no.1:34-35 Ja '58. (MIRA 11:2)

1. Proyektnaya kontora kombinata Ukrzapadshakhtstroy.  
(Mine ventilation)

STEFANOWSKIY, G.V.

Utilization of permanent hoists and mine surface units in  
mine construction. Ugol' Ukr. Vol.3 no.5:31 My '59.  
(MIRA 12:9)

1. Kombinat Ukrzapadshakhtostroy.  
(Mining engineering)

ARTYUKHOV, P.N., kand.tekhn.nauk; STEFANOVSKIY, G.V.; POPOV, A.A., gornyy inzhener

Replies to the article by V.I.Pechkovskii, A.A.Chernegov, and A.A. Nechitailo "Expedient means of draining the pit areas of the Nikopol'manganese basin." Gor. zhur. no.3:71-73 Mr '63. (MIRA 16:4)

1. Gosudarstvennyy trest margantsevykh razrabotok Nikopol'skogo rayona.



STEFANOVSKI, I. A.

AM

STEFANOVSKI (I. A.). Influence of environmental factors on immunity of wheat. — *C.R. Acad. Sci. U.R.S.S.*, N.S., ii, 8, pp. 341-345, 1936.

A summarized account is given of field experiments at the Krasnokutsk (Lower Volga basin) Plant Breeding Station, in which the effect was tested of the date of sowing and of cultural practices on the intensity of attack by brown rust (*Puccinia triticina*) [*R.A.M.*, xv, pp. 562, 571] on a work collection of 135 wheat samples. The results showed that the incidence of the rust sharply increased with the retardation of the date of sowing from 9 per cent. showing the maximum degree of infection (Vaviloff's scale) among the early-sown, to 42 per cent. among the medium sown, and 48 per cent. among the late-sown. Under irrigated conditions the incidence of rust markedly increased (e.g., the percentage of samples showing the maximum degree of infection was 9 under arid conditions and 72 under irrigation), but the majority of varieties resistant when late sown retained their immunity even though irrigated. Under irrigation the varieties of durum wheats originating in the Mediterranean belt and neighbouring countries, such as Tunisia, Algeria, Palestine, Syria, Trans-Jordan, and Portugal, were the most resistant to the rust. Vernalization [vernalization: cf. *ibid.*, xv, p. 489] appeared to reduce the incidence of the rust in certain early-sown varieties, but increased it in some others. In late sown wheats the rust incidence was for the most part increased by vernalization, owing to a lack of uniformity in the development of the treated plants.

STEFANOVSKIY, I. A.

STEFANOVSKII, I. A.

Stefanovskii, I. A. "Resistance of Wheat to Brown Rust under Trans-Volga Conditions,"  
Trudy po Prikladnoi Botanike, Genetike i Seleksii, Serii A, no. 21, 1937, pp. 43-52.

So: SIPA - Si - 90-53, 15 Dec 1953

STEPANOVSKIY, I.A., doktor sel'skokhozyaystvennykh nauk.

Forage crops and their cultivation in the German Democratic  
Republic. Zemledelie 4 no.5:109-116 My '56. (MLRA 9:8)  
(Germany, East--Forage plants)

STEFANOVSKIY, I.A., doktor sel'skokhozyaystvennykh nauk.

Potato growing in the German Democratic Republic. Nauka 1pered.sp.  
no.9:58-60 S '56. (MIRA 9:10)

1. Leningradskiy sel'khozyaystvennyy institut.  
(Germany, East--Potatoes)

M.

USSR/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15505

Author : I.A. Stefanovskiy

Inst : -  
Title : Summer Grain Crops in the German Democratic Republic.  
(Yarovyye zernovyye kul'tury v GDR).

Orig Pub : S. kh. Povolsh'ya 1956, No 11, 74-75

Abstract : The summer wheat varieties distributed in the German Democratic Republic are the Koga, Pego, Kapega and others. However, 10% of all the sowed area is occupied with spring barley, cultivated primarily for beer brewing. German selectioners have cultivated varieties which satisfy the demands of the beer brewing industry, the Else, Freya, Saale, Morgenrot, etc. Among the oat varieties occupying ~ 14% of all the area sown, the most distributed are the Flemingsgold, Flemingstre, Goldhafer, Universal, Berdeweiss, Omeke and others.

Card 1/2

STEFANOVSKIY, I A

USSR/Cultivated Plants. Grains.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20234.

Author : I.A. Stefanovskiy.

Inst : Not given.

Title : Cultivating Winter Grain Crops in the German Democratic Republic. (Vozdelyvaniye ozimyykh zernovykh kul'tur v GDR.)

Orig Pub: Sovkhozhnoye proiz-vo, 1957, No 8, 74-75.

Abstract: No abstract.

Card : 1/1

STEFANOVSKIY, I.A., prof., doktor sel'skokhozyaystvennykh nauk

Resistance of winter rye to standing water. Agrobiologiya  
no.4:573-576 J1-Ag '61. (MIRA 14:7)

1. Leningradskiy sel'skokhozyay stvennyy institut.  
(Rye ) (Plants, Effect of soil moisture on)

STEFANOVSKIY, I.A.

Resistance of winter rye and wheat to standing water. Fiziol. rast. 9  
no.5:589-594 '62. (MIRA 15:10)

1. Leningrad Agricultural Institut, Puskhin.  
(Wheat) (Rye) (Plants, Effect of water on)





STEPANOVSKIY, Kh. Kh.

STEPANOVSKIY Kh, Kh, "The planing of timber" sbornik naych. trudov(Ural'skiy lesotekhn. in-t), Moscow-Leningrad, 1948. p53-84

80: U-3261, 10 April 53. (Letopis 'Zhurnal 'Nykh Statey No. 11 1949)

ТЕПАНОВЕКИИ, Kh. Kh.

21818      ТЕПАНОВЕКИИ, Kh. Kh. О формулах разаниа древесины (на  
printsipe ucheta deformirovaniya drevesiny) Svornik statey  
po obshchetekhn. voprosam (Trudy Ural'skogo lesotekhn. in-ta).  
Sverdlovsk, 1949, s. 89-97. - Bibliogr: 5 nazv.

St: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

STEFANOVSKIY, P., general-major aviatsii, Geroy Sovetskogo Soyuza

Engineer and pilot. Av.i kosm. 45 no.5:78-80 My '63.  
(Aeronautical researchh) (MIRA 16:5)

STEFANOVSKIY, P.M., general-major aviatsii, Geroy Sovetskogo Soyuza

Glorious Stalin aviation. Vypel 11 no.13:2-4 J1 '48.  
(MIRA 12:9)

(Russia--Air Force)

STEFANOVSKIY, V. A., Cand Med Sci -- "On certain neurological changes in schizophrenia." Dnepropetrovsk, 1961. (Dnepropetrovsk State Med Inst) (KL, 8-61, 265)

- 526 -

STEFANOVSKIY, V.A.

Neurological symptomatology in the clinical aspects of  
schizophrenia. Zhur. nevr. i psikh. 64 no.9:1365-1368 '64.  
(MIRA 17:12)

1. Kafedra psikhiiatrii (zaveduyushchiy - prof. N.P. Tatarenko)  
Khar'kovskogo meditsinskogo instituta, otdel vegetativnoy  
patologii (zaveduyushchiy - prof. O.S. Val'shonok) Ukrainского  
nauchno-issledovatel'skogo psikhonevrologicheskogo instituta  
(direktor O.R. Stepanenko) i Poltavskaya psikhonevrologicheskaya  
bol'nitsa (glavnyy vrach A.I. Krapivkin).

TOGUNOV, Boris Mikhaylovich; STEFANOVSKIY, Vladimir Mikhaylovich;  
RUSAKOVA, N.G., spets. red.; ROZENBERG, M.B., spets. red.  
VACHAYEVA, Z.P., red.-leksikograf

[German-Russian dictionary of refrigeration engineering]  
Nemetsko-russkii slovar' po kholodil'noi tekhnike. Mo-  
skva, Sovetskaia Entsiklopediia, 1965. 246 p.  
(MIRA 18:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholo-  
dil'noy promyshlennosti (for Rusakova, Rozenberg).



STEFANOVSKIY, Ye.Ye.

Production concentration in the silicate industry of the  
U.S.S.R. Trudy KhPI 22 no.2:19-33 '59. (MIRA 15:9)  
(Silicates)

STEFANOVSKIY, Yevgeniy Yevgen'yevich; BORODKIN, V.I., kand. tekhn.  
nauk, dots., retsenzent; VED', Ye.I., kand. tekhn. nauk,  
dots., retsenzent; RYDNIK, V.L., kand. ekon. nauk, otv. red.;  
FISHCHENKO, B.V., red.; TROFIMENKO, A.S., tekhn. red.

[Economics of the silicate industry of the U.S.S.R.] Ekonomika  
silikatnoi promyshlennosti SSSR. Khar'kov, Izd-vo Khar'kovskogo  
univ., 1962. 204 p. (MIRA 16:12)

(Silicates)

STEFANOVSKI, Yu.

Distr: 4E3d

Aromatic hydrocarbons in the 275-350° fraction of Tjulenovo crude oil. D. Stefanov and Yu. Stefanov. *Compt. rend. acad. bulgare sci.* 11, 480-82 (1958) (in English).—The aromatic part of this fraction consists mainly of hydrogen-thracene derivs. 4  
1-3 (1/8)  
R. O. Bender

BEROVA, N.; STEFANOVSKY, J. [Stefanovski, I.]; KURTOV, B.; CHAINOVA, M.  
[Khainova, M.]; MOLOV, N. [Molov, N.]

Synthesis and separation of *L*-menthyl ester of the 3-amino-  
2,3-diphenylpropane acids, and their reduction into optically  
active 1-amino-1,2-diphenylpropanol. Doklady BAN 17 no.1:41-44  
1964.

BOGNAR, Rezso; STEFANOVSKY, Jurii [Shtefanovskiy, Yuriy]

Flavonoids.VI. Preparation and transformations of 2-hydroxy-calcon derivative epoxy. Magyar kem folyoir 68 no.7:296-305  
Jl '62.

1. Kossuth Lajos Tudományegyetem Szerves-Kémiai Tanszéke, Debrecen. 2. "Magyar Kémiai Folyóirat" szerkesztő bizottsági tagja.  
(for Bognar).

STEFANOWICZ, Albert

Miniature radiation monitors with Geiger-Mueller counters developed at the department of radiology of the Academy of Medicine in Warsaw. Polski przeegl.radiol. 23 no.6:439-442 N-D '59.

1. Z zakladu Radiologii Lek. A.M. w Warszawie Kierownik: prof.  
dr nauk med. W. Zawadowski.  
(RADIOMETRY equip & supply)

~~STEFANOVICH, A.~~ [Stefanowicz, A.]

Scintigraph device for studying the localization of radioactive isotopes in the human body. Med.rad. no.10:74-76 '61. (MIRA 14:10)

1. Iz kafedry radiologii Meditsinskoy akademii v Varshave.  
(RADIOACTIVITY--MEASUREMENT)

WYKONANIE, str. 1

Röntgen-sonda - Examination of the testis. 01.  
arch. med. wojew. no. 68735-636 1961

1. 2 Zakład Radioizotopów Katedry Radiologii Akademii Medycznej  
w Warszawie (kierownik doc. dr. J. Zielenyński).



POLAND / Farm Animals: The Honeybee. Q

Abs Jour: Ref Zhur-Biol., No 5, 1959, 21336.

Author : Stefanowicz, Edmund.

Inst : Not given.

Title : Nosema and the Development of Bees in Spring.

Orig Pub: Psczelarstvo, 1958, 9, No 2, 50-52.

Abstract: According to the data of the Egyptian investigator, M. G. Gassaneyn (1952), on the 9th day the average size of jelly glands amounted to 106.8 mu in bees infected with nosema (N), on the 15th day to 76.3 mu; in healthy bees it amounted correspondingly to 205.5 mu and 127.9 mu. The decreased ability to secrete jelly disorganizes the life activities of the colony. The infection of bees with N during their first days of life leads to a premature disappearance of jelly glands, which

Card 1/2

POLAND / Farm Animals. The Honeybee.

Q

Abs Jour: Ref Zhur-Biol., No 5, 1959, 21327.

Author : Stefanowicz, Edmund.

Inst : Not given.

Title : The Raising of Queens from Eggs with the Method of Kofer.

Orig Pub: Pszhelarstvo, 1958, 9, No 3, 81-83.

Abstract: In the case of G. Kofer, 80 percent of queens holding a record in terms of collecting honey derive from swarming queens, raised from eggs. The best queens layed 3600 eggs daily; there were 180 egg tubules. The daily production of one tubule amounts to 20 eggs. In terms of the egg tubules' quantity, queens which were hatched from an egg (170-180) occupy the first place, then follow queens from one day larvae (130-150), two

Card 1/2

joint for  $g = 2-20$  mm

SOURCE: Przegląd spawalnictwa, no. 10, 1964, 233-235

TOPIC TAGS: butt welding, weld seam flaw, flaw detection, weld seam resistance, ultrasonic flaw detection

ABSTRACT: On the basis of the present scope of ultrasonic flaw detection<sup>1.4</sup>, the authors consider three types of weld seam flaws detectable by the ultrasonic method: (a) point flaws, (b) semicontinuous flaws, and (c) continuous flaws. The latter two types can be compared by the relation  $a = \beta b$ , where  $a$  is the segment of the continuous flaw (mm),  $b$  is the segment of the semicontinuous flaw (mm), and  $\beta$  is the comparative coefficient of the flaws. The value  $a < 5g$ , where  $g$  is the thickness of the joined elements, was adopted. The modulus of resistance of a joint describes the quality of this joint compared to a flawless joint; it is the ratio of the cross section capable of withstanding the load to the theoretical cross section. The relation  $z_{pom} = 1 - \frac{3}{g} k$ ,  $k$  being the flaw intensity, was

Card 1/3

L 25135-65

ACCESSION NR: AP4048091

thus derived. The variation of the coefficients  $\beta(g)$  and  $z_{\text{poim}}(g, k)$  for various values of  $k$  is shown in Fig. 1 of the Enclosure. Orig. art. has: 5 figures and 8 numbered formulas. 0

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 000

ENCL: 01

SUB CODE: MM, IE

OTHER: 000

Card 2/3

L 25135-65

ACCESSION NR: AP4048091

ENCLOSURE: 01

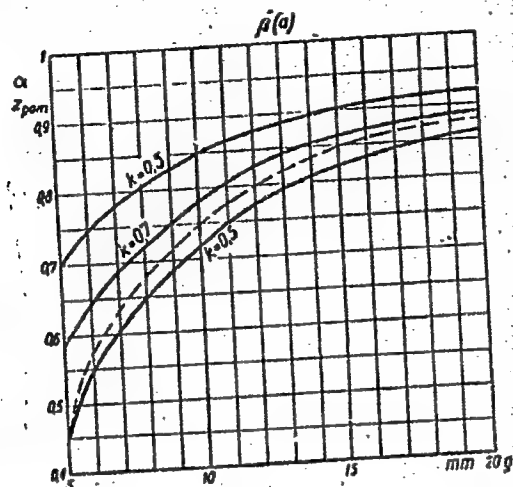


Fig. 1. Variation of the coefficients  $\beta(g)$  and  $z_{pom}(g, k)$  for  $g = 5-20$  mm.

Card 3/3

STEFANOWICZ, Jozef, mgr inz.; JANKOWSKI, Tadeusz, inz.

Ultrasonic method of determining the Zpom strength coefficient of a  
welded butt joint for  $g = 5$  --20mm. Przegl spaw 16 no.10:233-235  
0 '64.

SUCHY, Elzbieta; STEFANOWSKA-KOTARBINSKA, Barbara

Endemic atypical pneumonia at a newborn ward. *Pediat. polska*  
31 no.5:529-534 May 56.

1. Z Kliniki Diagnostyki Chorob Dziecięcych A.M. w Warszawie  
Kierownik: prof. dr. med. Z. Lejmbach i z Zakładu Radiologii  
Pediatricznej A.M. w Warszawie Kierownik: prof. dr. med. K.  
Rowinski, Warszawa, ul. Działdowska 1/3.

(PNEUMONIA, PRIMARY ATYPICAL, epidemiology,  
hosp. epidemic (Pol))

PRZYBYLSKA, Halina; OKNINSKA, Anna; STEFANOWSKA, Barbara

Limited valvular pulmonary emphysema in infants of non-tuberculous etiology. *Pediatr. polska* 35 no.3:277-289 Mar '60.

1. Z Kliniki Diagnostyki Chorob Dzieci w Warszawie, Kierownik: prof. dr med. Z. Lejmbach; i z Zakładu Radiologii Pediatrycznej, Kierownik: prof. dr med. K. Rowinski.  
(PULMONARY EMPHYSEMA in inf. & child)



L 13372-66

ACC NR: AP6002070

SOURCE CODE: PO/0045/65/0028/006/0809/0822

AUTHOR: Kawski, A.; Stefanowska, U.

ORG: Department of Physics, Pedagogic Institute, Gdansk (Katedra Fizyki, Wyzsza Szkola Pedagogiczna)

TITLE: Investigations on the Anomalous Stokes' red Shift of the absorption and fluorescence spectra of 4-aminophthalimide as a function of the mixing ratio of nonpolar and polar solvents

SOURCE: Acta physica polonica, v. 28, no. 6, 1965, 809-822

TOPIC TAGS: line shift, absorption spectrum, fluorescence spectrum, organic solvent, amino acid, *WAVE NUMBER*

ABSTRACT: After a brief review of past work, the paper presents and discusses the results of measurements of Stokes' shift to the red of the wave number of the maxima of the absorption and fluorescence spectra of 4-aminophthalimide dissolved in two-component mixtures as a function of the ratio of the components used; in each case, one of the components was polar and the other nonpolar. The ratio of the components was

Card 1/2

L 13372-66

ACC NR: AP6002070

chosen to give a known dielectric constant and refractive index. The following two-component mixtures were used: benzene+methanol (I), carbon tetrachloride+acetone (II), benzene+chloroform (III) and carbon tetrachloride+chloroform (IV). Diagrams presented show curves of the absorption and fluorescence spectra of 4-aminophthalimide dissolved in the mixtures having different concentrations of the components and wave numbers of the maxima of fluorescence versus the wave numbers of the long-wavelength maxima of absorption as obtained from the curves.

SUB CODE: 07,2 / SUBM DATE: 27May65 / ORIG REF: 003 / OTH REF: 004 /  
SOV REF: 003

Card 2/2

CIESIELSKI, Leszek; STEFANOWSKA, Jozefa

Application of noradrenalin & neosynephrine in the treatment of shock.  
Polski tygod. lek. 13 no.12:431-435 14 Mar 56.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Lodzi; Kierownik:  
prof. Marian Stefanowski.

(SHOCK, ther.

arterenol & phenylephrine (Pol))

(ARTERENOL, ther. use

shock (Pol))

(SYMPATHOMIMETICS, ther. use

phenylephrine in shock (Pol))

STEFANOWSKI, Andrzej

The multishuttle loom of the 100 WT Lancier type. Przegl  
wlokien 16 no.2:99-104 F '62.

1. Centralne Biuro Techniczne Przemysłu Maszyn Włókienniczych,  
Łódź.

STEFANOWSKI, B,:(Dr. Engr.)::

Chlodnictwo. (Refrigeration), 1st Ed. Warsaw, 1932; 2d Ed. Warsaw-Stockholm, 1949.

1944-1945, 201-202

1946-1947, 201-202

Glenn, J. B. "The Great War, 1914-1918." 1958. 312 p.  
[Definitive Illus., Bibl., index]

20: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 10,  
October 1953. Unidentified.

STEFANOWSKI, Bohdan

Science and technology in the curricula of technical universities.  
Review Pol Academy 5 no.3/4:107-113 J1-D '60.

(Poland---Technical education) (Poland---Science)  
(Poland---Technology)

STEFANOWSKI, Bchdan

Sciences and technology in the curricula of the polytechnic colleges. Nauka polska 8 no.3:146-151 J1-S '60.

1. Członek rzeczywisty Polskiej Akademii Nauk, Warszawa.



P/002/61/000/001/004/007  
D001/D101

AUTHOR: Stefanowski, Bohdan, Member of Polish Academy of  
Sciences, Professor

TITLE: Research on thermal principles of energetics. About  
the activity of the Thermoenergetics Section

PERIODICAL: Nauka Polska, no. 1, 1961, 123-128

TEXT: The author briefly describes the history and activities of  
the Zakład Termoenergetyki (Thermoenergetics Section), PAS. The  
Polish term "energetyka" (energetics) refers to electric power which  
usually is produced from fiels. Thermal phenomena in electric power  
generation require thorough research. To that end the Polska Aka-  
demia Nauk (Polish Academy of Sciences) established the Thermoener-  
getics Section in 1953. This institution was housed in a building  
which belongs to the Zakład Techniki Ciepłej Politechniki Warszaw-  
skiej (Thermal Engineering Section of the Warsaw Polytechnical  
Institute) in Warsaw. Since then, both institutions cooperate

Card 1/3

P/002/61/000/001/004/007  
D001/D101

Research on thermal...

closely and make joint use of available equipment. The thermoenergetics section, PAS, presently employs 14 scientific workers, three technical workers and one administrative employee. The section published two books and over twenty scientific papers, among them the following dissertations: - Habilitation dissertations- 1) J. Juda, "Microscopic mineralogical analysis of fine dusts by variation in phase contrast"; 2) B. Staniszewski, "Conditions of steam bubble growth and detachment during effervescent boiling". -Doctors' theses -1) J. Juda, "Principles of bifuel propulsion"; 2) S. Wójcicki, "Characteristics of flow engines"; 3) B. Staniszewski, "Effervescent boiling of liquids in free convection conditions"; 4) K. Brodowicz, "The influence of turbulence on heat transfer in flow past a nest of tubes"; 5) S. Gajczak, "Theoretical analysis of the absorption and diffusion refrigerating system"; 6) W. Gogół, "A generalized method of measuring thermal properties of matter based on orderly state of heat exchange"; 7) P. Wójcik, "A new method of measuring enthalpy of a stream of liquid". The working program of this section deals with the following: 1) Thermodynamics of heat

Card 2/ 3

Research on thermal...

P/002/61/000/001/004/007  
D001/D101

flux and heat exchange, with particular stress on heat exchange in two-phase steam-liquid systems and hydrodynamics of this system. 2) Konimetry. Results of this research were published in Dr. J. Juda's paper, "Research on dust and dust-arresting installations". 3) Combustion. Problems of stabilized combustion of heterogenic mixtures, flame stabilization by means of a pneumatic stabilizer and the influence of pulsation on stability range and combustion efficiency. 4) Refrigeration, with particular consideration of theoretical research. Sorption processes occurring in refrigeration systems were described in Dr. St. Gajczak's book "Absorption refrigeration installations". 5) Heat measurement. In view of ever increasing heat utilization for industrial purposes, a new method of heat flow and temperature measurement was worked out. On the basis of this new method an integrating heat meter was designed and a prototype of same built. ✓

ASSOCIATION: Zakład Termoeenergetyki PAN (Thermoeenergetics Section,  
Polish Academy of Sciences) Warsaw.  
SUBMITTED: November 1960

Card 3/3

STEFANOWSKI, Bohdan, professor

The Polish Academy of Sciences Research Centre for Thermoenergetics.  
Review Pol Academy 6 no.1:65-68 Ja-Mr '61.

1. Member of the Polish Academy of Sciences, head, Research Centre  
for Thermoenergetics, Warsaw. The address of the Center: Warsaw,  
Nowowiejska 25.

(Polish Academy of Sciences) (Poland—Research)  
(Poland—Electric power)

STEFANOWSKI, Bohdan, Prof.

Institute of Thermoengineering, Warsaw Technical University; Genesis and program. Review Pol Academy 6 no. 4:49-52 O-D '61.

1. Member of the Polish Academy of Sciences, Warsaw. Head of the Institute of Thermoengineering, Warsaw.

STEFANOWSKI, Bohdan

History of the Institute of Heat Technology at the Warsaw Polytechnic School. Nauka Polska 9 no.3:179-188 '61.

1. Członek rzeczywisty Polskiej Akademii Nauk, Członek Rady Redakcyjnej kwartalnika "Nauka Polska".

STEFANOWSKI, Bohdan, prof. dr., dr. h.c.

James Watt; his life and achievements. Problemy 18 no.7:493-498 '62.

1. Członek rzeczywisty Polskiej Akademii Nauk, Warszawa.

STEFANOWSKI, Bohdan, prof.

Technical schooling of refrigeration engineers and technicians.  
Przegl techn no.47:9 23 N '60.



STEFANOWSKI, Bohdan

Technological physics and its role in the education of scientific research workers. Nauka polska 12 no.1:143-146 Ja-F '64.

1. Member of the Polish Academy of Sciences, Warsaw.

STEFANOWSKI, Bohdan, prof. dr

Immediate conversion of heat into electricity. Problemy 19  
[i.e. 20] no. 2:73 '64.

1. Member, Polish Academy of Sciences, Warsaw.

ACC NR: AP6035250

SOURCE CODE: PO/0002/66/000/004/0082/0084

AUTHOR: Stefanowski, Bohdan (Active member PAN) (Warsaw)

ORG: none

TITLE: Activity of the newly founded Institute of Heat Engineering of the Warsaw Polytechnic School (Instytut Techniki Ciepłej Politechniki Warszawskiej)

SOURCE: Nauka polska, no. 4, 1966, 82-84

TOPIC TAGS: scientific organization, heat theory

ABSTRACT: The Institute of Heat Engineering (Instytut Techniki Ciepłej) was formed in June 1963 as a part of the Mechanical Section of Energetics and Aviation of the Warsaw Polytechnic School (Wydział Mechaniczny Energetyki i Lotnictwa Politechniki Warszawskiej). In addition to the Department of Heat Engine Theory (Katedra Teorii Maszyn Ciepłych), whose activity predominates in this field, the Institute includes the Department of Boilers, Turbines and Pumps (Katedra Kotłow, Turbin i Pomp), the Department of Industrial and Aviation Internal Combustion Engines (Katedra Silników Spalinowych Przemysłowych i Lotniczych), and the Department of Power Plants and Power Economy (Katedra Silowni i Gospodarki Energetycznej). The topics of research work now being carried out at the Institute include the following: (a) exchange of heat and mass, (b) principles of the theory of combustion processes, (c) direct conversion of heat into electric energy, (d) scientific principles of the design of boilers,

Card 1/2

ACC NR: AP6035250

piston engines and flow engines, and (e) scientific principles of the operation of thermal power plants. A list of papers published in the last few years by members of the Institute is given.

SUB CODE: 05,20/ SUBM DATE: --Apr66

Card 2/2